

Method of boosting the heating in a glass melting furnace using a roof-mounted oxygen-fuel burner

Publication number: EP1077201

Publication date: 2001-02-21

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Classification:

- **International:** F23C5/08; C03B5/235; F23C5/00; F23D14/02; F23D14/32; F23D17/00; F23L7/00; F27D7/02; C03B5/00; F23C5/00; F23D14/00; F23D14/02; F23D17/00; F23L7/00; F27D7/00; (IPC1-7): C03B5/235; F23M5/02

- **European:** C03B5/235B; F23C5/00; F23D14/02; F23D14/32; F23D17/00B; F23L7/00

Application number: EP20000306970 20000815

Priority number(s): US19990374921 19990816

Also published as:

- US6705118 (B2)
- US6705117 (B2)
- US6422041 (B1)
- US2002144518 (A1)
- US2001039813 (A1)

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Cited documents:

- US5139558
- WO9931021
- DE2015597
- US4539035
- US5116399

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Abstract of EP1077201

In an industrial glass furnace 10 which contains recuperators, regenerators, electric boost or other devices for providing heat to glass batch material at least one oxy-fuel burner (34) mounted in the roof of the furnace provides additional heat to melt the batch material. By using such a roof-mounted oxy-fuel burner 34 heat transfer can be maximised while minimising the disturbance of the batch material. The velocity of the flame 36 produced by operation of the oxy-fuel burner 34 is kept to 30 metres per second or less near the surface.

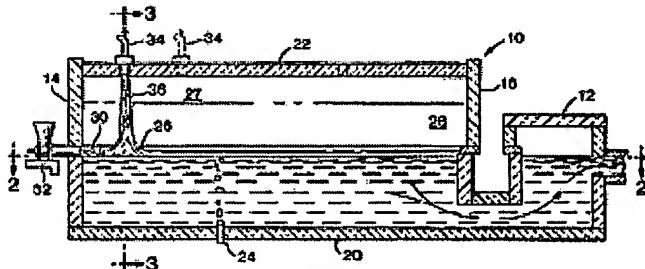


FIG. 1

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